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_ _	AC	4,528,643	07/09/85				 	
D C	AD	4,660,193	04/21/87	Young et al.				
D	AE	4,688,246	08/18/87	Eilers et al.	-			
&	AF	4,723,285	02/02/88	Le Roy et al.			ļ	
<u> </u>	AG	4,744,080	05/10/88	Brennand et al.			ļ	
A	AH	5,023,934	06/11/91	Wheeless			<u> </u>	
<u> </u>	AI	5,070,404	12/03/91	Bullock et al.				
B	AJ	5,119,507	06/02/92	Mankovitz				
D	AK	5,133,081	07/21/92	Mayo				
<u>A</u>	AL	5,179,576	01/12/93	Hopkins et al.				
B	AM	5,262,875	11/16/93	Mincer et al.				
\mathcal{A}	AN	5,283,780	02/01/94	Schuchman et al.				
A	AO	5,355,302	10/11/94	Martin et al.				
A	AP	5,390,214	02/14/95	Hopkins et al.				
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B	AR	5,408,686	04/18/95	Mankovitz				
D	AS	5,444,768	08/22/95	Lemaire et al.				
),	AT	5,455,823	10/03/95	Noreen et al.)		
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	AC	5,557,541	09/17/96	Schulhof et al.			
8	AD	5,572,442	11/05/96	Schulhof et al.			
D	AE	5,629,867	05/13/97	Goldman	1 /		
D	AF	5,781,889	07/14/98	Martin et al.			
Ð	AG	5,581,576	12/03/96	Lanzetta et al.)		
D	AH	5,912,917	06/15/99	Engelbrecht et al.			
3	AI	5,999,934	12/07/99	Cohen et al.		1	
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<u> </u>	{	4,694,491	07/21/87	Horne et al.		 	
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A	AD	4,706,121	11/10/87	Young		 	
B	AE	4,739,510	04/19/88	Jeffers et al.	 		
<u>\$</u>	AF	4,742,516	05/03/88	Yamaguchi			
	AG	4,855,827	08/08/89	Best			
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B	AI	4,887,308	12/12/89	Dutton			
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A	AL	4,963,995	10/16/90	Lang			
A	AM	5,020,143	05/28/91	Duckeck et al.			
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B	AO	5,046,090	09/03/91	Walker et al.			
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Æ	AQ	5,054,064	10/01/91	Walker et al.			
₽	AR	5,063,610	11/05/91	Alwadish			
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A	AT	5,093,718	03/03/92	Hoarty et al.	1		
A	AU	5,127,303	07/07/92	Tsumura et al.			
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<u> </u>	AX	5,152,003	09/29/92	Poch			
<u> </u>	AY	5,191,410	03/02/93	McCalley et al.			
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3	AG	5,253,275	10/12/93	Yurt et al.			
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8	AV	5,812,937	09/22/98	Takahisa et al.			
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Form PTO-1449

Docket Number 549222000101 Application Number 08/977,846

Applicant John O. RYAN

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<u></u> ★	10.	05/11/1999	5,903,454		perg et al.		GHU		
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AUG 2 2 2003 Docket Number 549222000101 Application Number 08/977,846 Form PTO-1449 Applicant TO CONTRACTION DISCLOSURE CITATION 60 John O. RYAN IN AN APPLICA AUG 1 4 2003 (Se several sheets if necessary) Filing Date November 25, 1997 Group Art Unit 3629 Mailing Date August 13, 2003 TENT 8 TH Anonymous (1989). "VCR's: A Look at the Top of the Line," Consumer Reports, pp. 167-170. Œ. Atkinson, T. (Date Unknown). "VCR Programming: Making Life Easier Using Bar Codes." Source 20. Ð Unknown. Bassak, G. (1981). "Low Data Rate Yields Lifelike Voice," Electronics 2 pages total. B 21. 22. Bensch, U. et al. (1988). "VPV-Videotext Programs Videorecorder," IEEE Transactions on D Consumer Electronics 34(3):788-792. Christopher, A. (1989). "Tuning In To Hypersound," Macintosh News 34 10:1-3. 23. TO. 24. Date, C.J. (1981). An Introduction to Database Systems Third Edition, Addison-Wesley Publishing A Company: Reading, MA Vol. 1 pp. xxi-xxviii (Table of Contents Only.) Farallon Computing Inc. (1987). "MacRecorder Sound System for Macintosh Computer," 25. D MacRecorder User's Guide: The Sound System for the Macintosh pp. i - v. (Table of Contents Only.) FCC (1986), "Multichannel Television Sound Transmission and Audio Processing Requirements for 26. the BTSC System," Federal Communications Commission, Office of Engineering and Technology (TD OET Bulletin No. 60, Revision A. 17 pages total. Hallenback, P.D. and Hallenback, J.J. (1990). "Personal Home TV Programming Guide," IEEE 27. B FAM-20.3:310-311. Hoffberg, L. I. (1991). "Designing User Interface Guidelines for Time-Shift Programming on a 28. Video Cassette Recorder (VCR)." Proceedings of the Human Factors Society 35th Annual Meeting, A pp. 501-504. 29. Lee, E. and MacGregor, J. (1985). "Minimizing User Search Time in Menu Retrieval Systems," **A** Human Factors 27(2):157-162. Macromind-Paracomp, Inc. (1990). MacRecorder Sound System Pro User Guide (Part of Spigot and 30. B Sound Bundle for Macintosh.) 5 pages (Table of Contents Only.) Macromind-Paracomp, Inc. (1991). SoundEdit Pro User Guide (Part of Spigot and Sound Bundle for 31. B Macintosh.) 8 pages (Table of Contents Only.) Pellerin, D. (1992). "Conditional Access System for Digital TV: The Eurocrypt Standard," 1992 32. B NCTA Technical Papers pp. 388-393. 33. Pugh, J. (1992). "VideoSpigot Review," TidBITS 120(20):1-9. 3 34. Said, C. (1992). "Supermac Offers Audio/Video Bundle. (Supermac Technology Inc., Spigot & B Sound Graphics Board and Spigot & Sound Pro Graphics Board,) " MacWeek 3:1-2. 35. Supermac (1992). VideoSpigot NuBus User's Manual, Supermac (Part of Spigot and Sound Bundle B for Macintosh.) 9 pages (Table of Contents Only.) Tydeman, J. et al. (1982). Teletext and Videotex in the United States Data Communications Book 36. 18-Series, McGraw-Hill Publications Co.: New York, NY pp. vii-ix (Table of Contents Only.) Wendorf, J. and Strubbe, H. (1992). "Fast Digital Data Channels Enable New Cable Services," 1992 37. **19**~ NCTA Technical Papers pp.173-178. DATE CONSIDERED: 1/30/04 **EXAMINER:** Momas EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Form PTO-1449			Docket Number 549222000101	Application Number 08/977,846		
IN AN APPLICATION			Applicant John O. RYAN			
	(Use several sheets if necessary)		Filing Date November 25, 1997	Group Art Unit 3629		
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A TRA	38.	Yoshida, J. (1991). "Company Seeks Japanese Support For Digitally-Compressed Delivery Service: EMC Pushes Video Rental by Satellite," <i>Electronic Engineering Times</i> 670:1-4.				
<i>®</i>	39.	Ziesel, G. et al. "An Interactive Menu-Driven Remote Control Unit for TV-Receivers and VC-Recorders," <i>IEEE Transactions on Consumer Electronics</i> 34(3):814-818.				
A	40.	Sony Electronic Inc.'s Final Invalidity Contentions, dated May 27, 2003, 55 pages				

RECEIVED AUG 2 2 2003 GROUP 3600

EXAMINER: Thomas 1. Del

DATE CONSIDERED:

1/30/04

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